

Figure 1

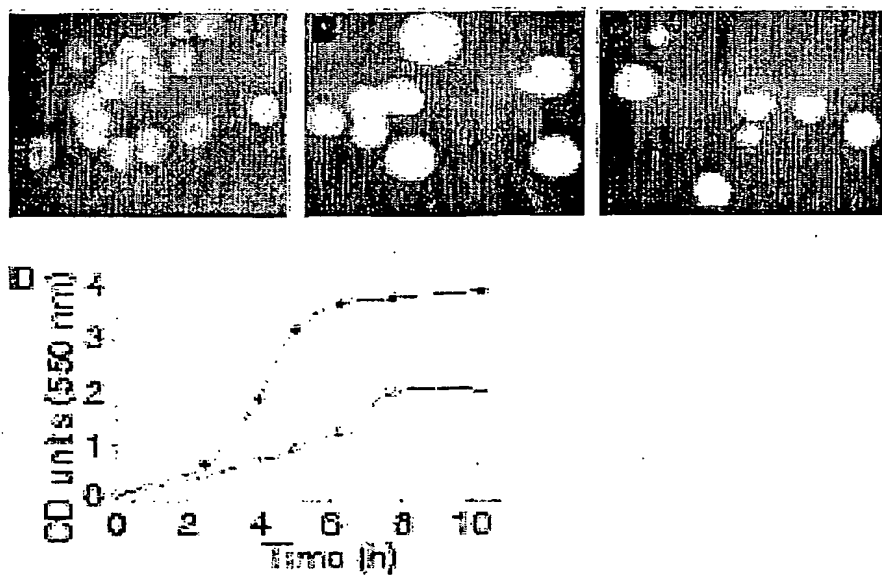


Figure 2

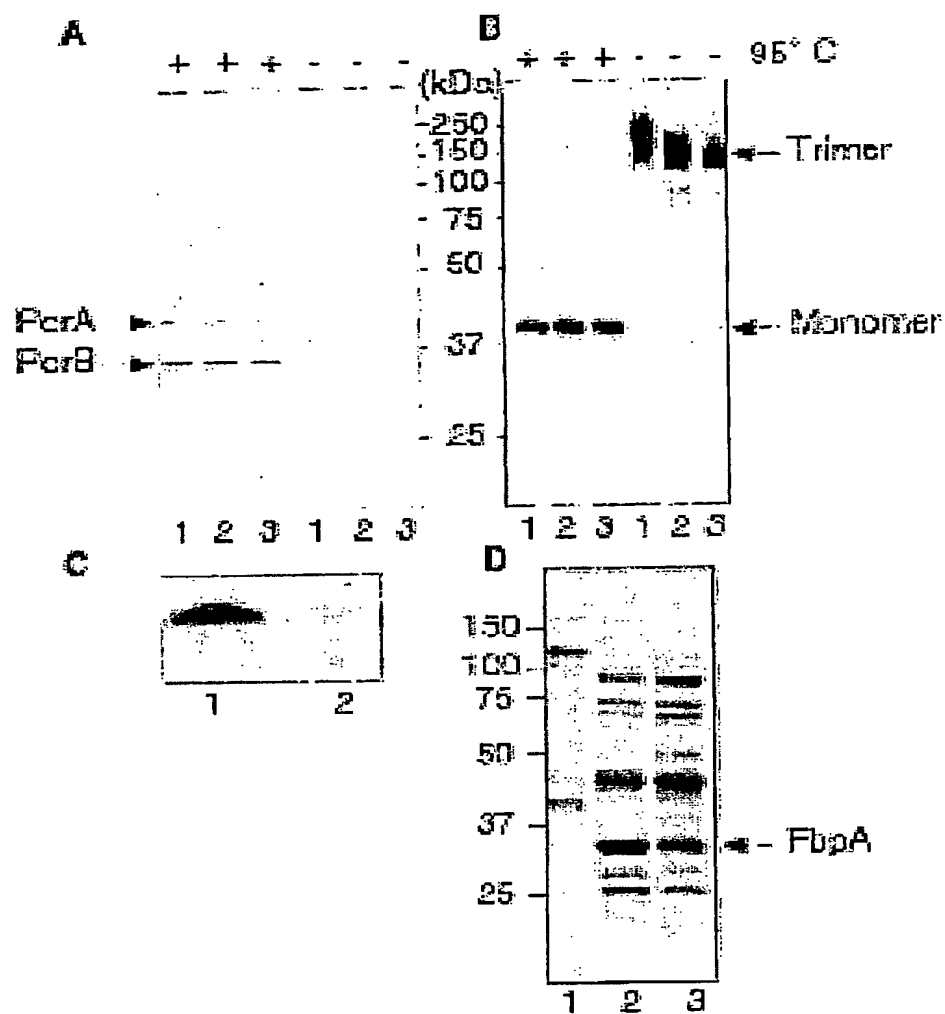


Figure 3

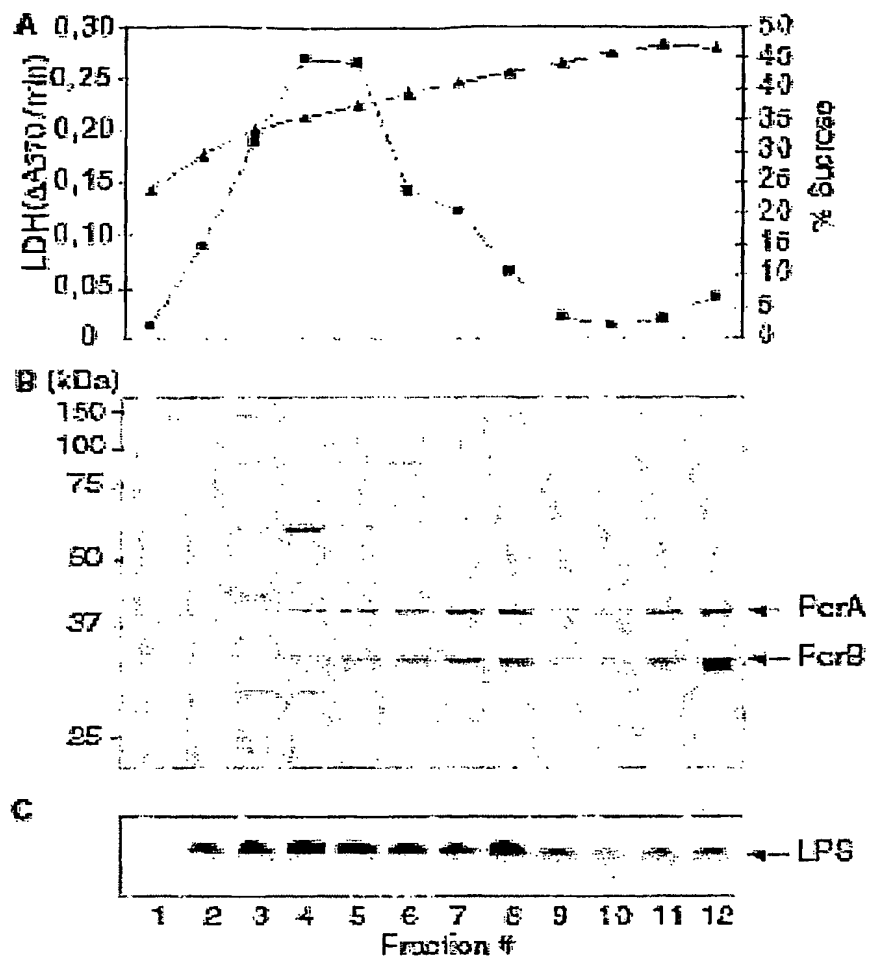


Figure 4

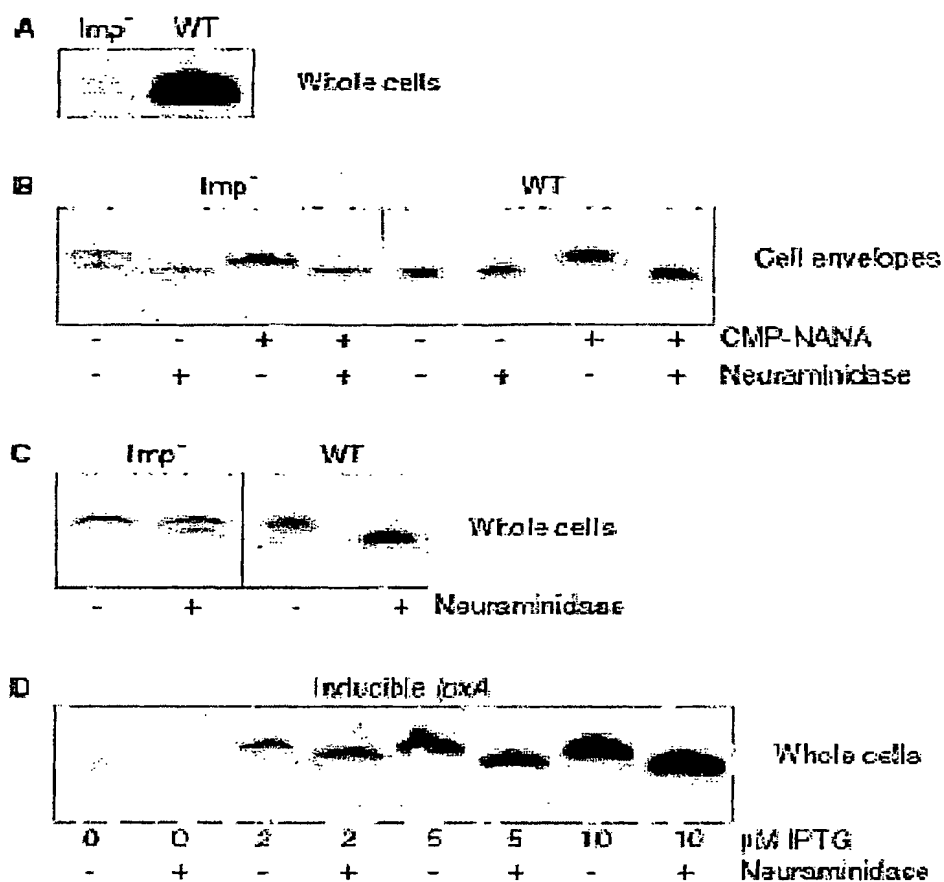


Figure 5

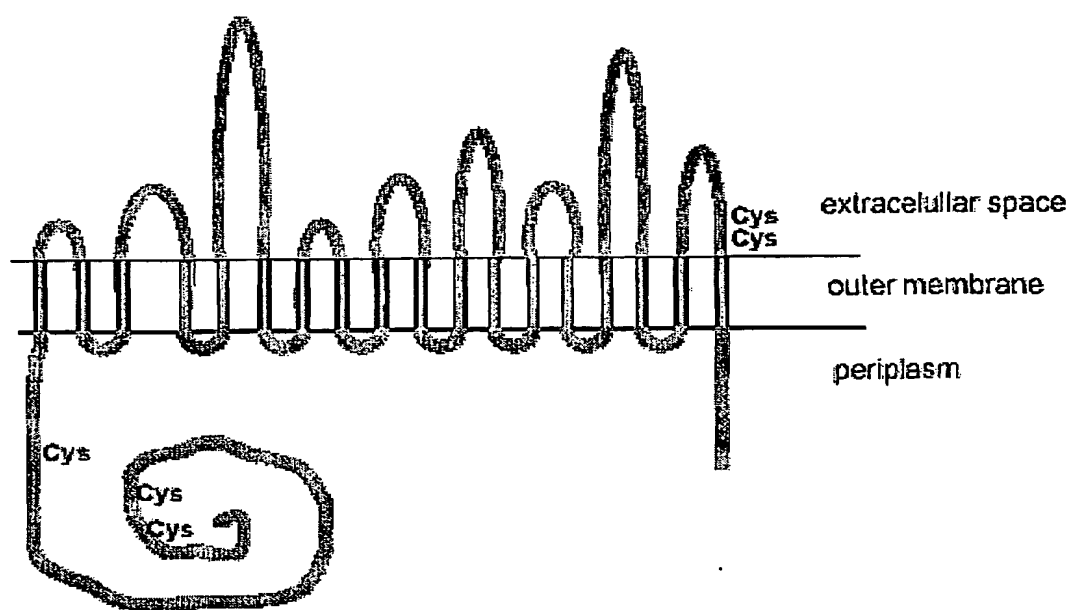


Figure 6

Imp/OstA - SEQ ID No 1

Predicted extracellular loops are indicated in bold

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LARLFSLKPLVLALGLCFGTHCAAADAVAAEETDNPTAGESVRSVSEPIQPTSLSLGSTC 60
LFCSNESGSPERTEAAVQGSGEASIPEDYTRIVADRMEGQSQVQVRAEGNVVVERNRTTL 120
NTDWADYDQSGD TVTAGDRFALQQDGT LIRGETLTYNLEQQTGEAHNVRMEIEQGGRRLQ 180
SVSR TAEMLGEGHYKLTETQFNTCSAGDAGWYVKAASVEADREK GIGVAKHAAFVFGGVP 240
IFYTPWADFPLDGNRKSGLLVPSLSAGSDGVSLSPYYFNLAPNLDA TFAPSVIGERGAV 300
FDGQVRYLRPDYAGQSDLTWLPHDKKSGRNNRYQAKWQHRHDISDTLQAGVDFNQVSDSG 360
YYRDFYGNKEIAGNVNLRNVWLDYGGRAAGGSLNAGLSVLKYQTLANQSGYKDKPYALM 420
PRLSVEWRKNTGRAQIGVSAQFTRFSHDSRQDGSRLVVYPDIKWDFSN SWGYVRPKLGLH 480
ATYYSLNRFSGQEARRVSRTLPIVNIDSGATFERNTRMFGGEVLQTL EPRLFYNYIPAKS 540
QNDLPNFDSSSESSFGYGQLFRENLYYGNDRINTANSLSAAVQSRILDGATGEERFRAGIG 600
QKFYFKDDAVMLDGSVGKKPRNRSDWVAFASGSIGSRFILDSSIHYN QNDKRAENYAVGA 660
SYRPAQGKVLNARYKYGRNEKIY LKSDGSYFYDKLSQLDLSAQWPLTRNLSAVVRYNYGF 720
EAKKPIEVLAGA EYKSSCGCWGAGVYAQRYVTGENTYKNAVFFSLQLKDLSSVGRNPADR 780
MDVAVPGYITAHSLSAGRNKRP 802

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loop 1: 252-271
loop 2: 295-332
loop 3: 357-416
loop 4: 444-455
loop 5: 482-501
loop 6: 537-576
loop 7: 606-624
loop 8: 648-697
loop 9: 721-740

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Figure 7

Figure 8

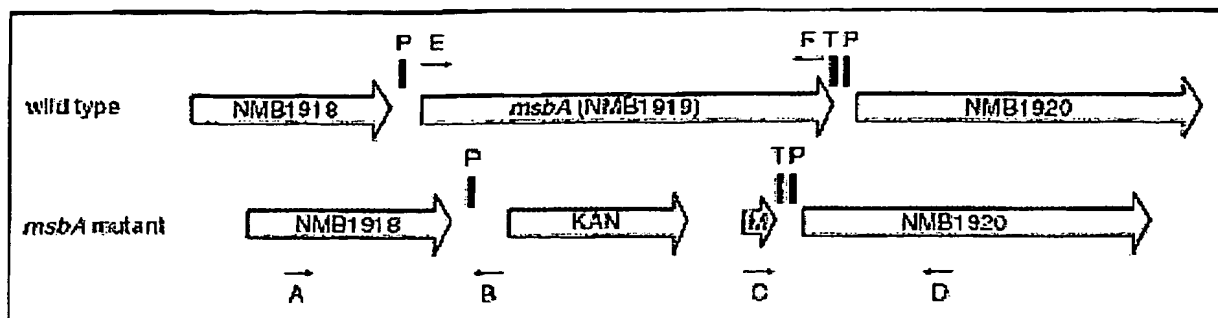


Figure 9

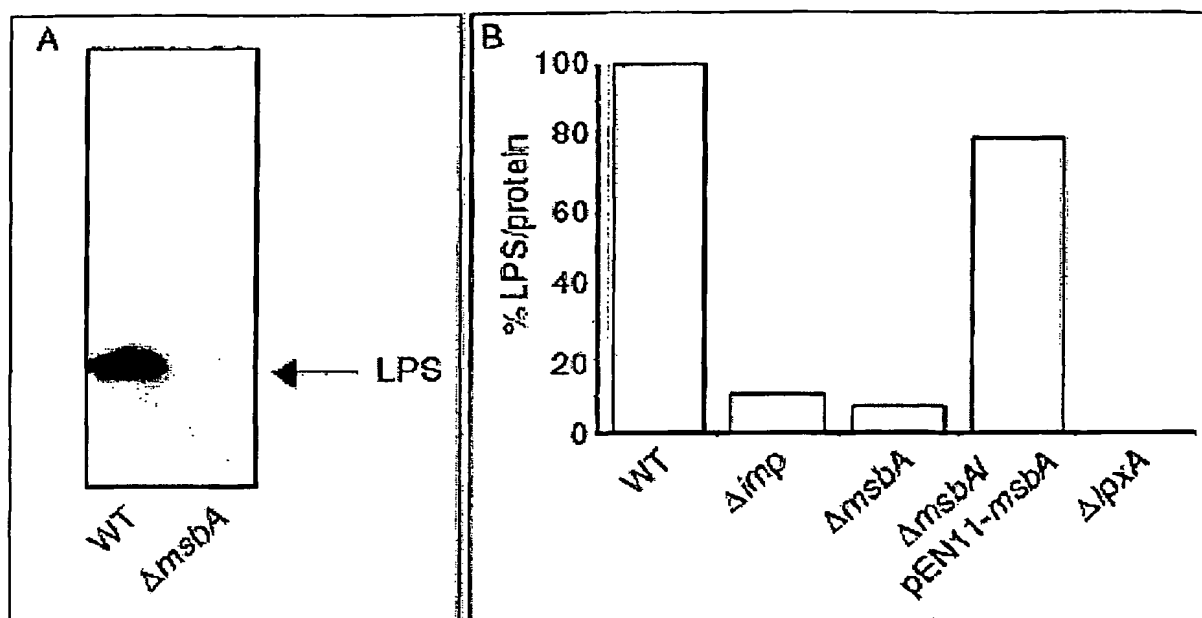


Figure 10

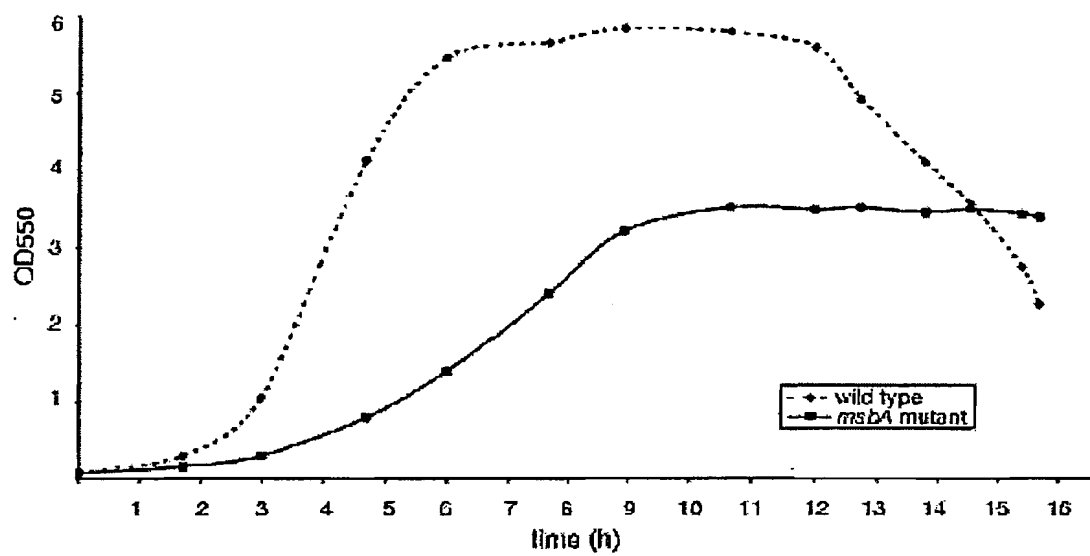


Figure 11

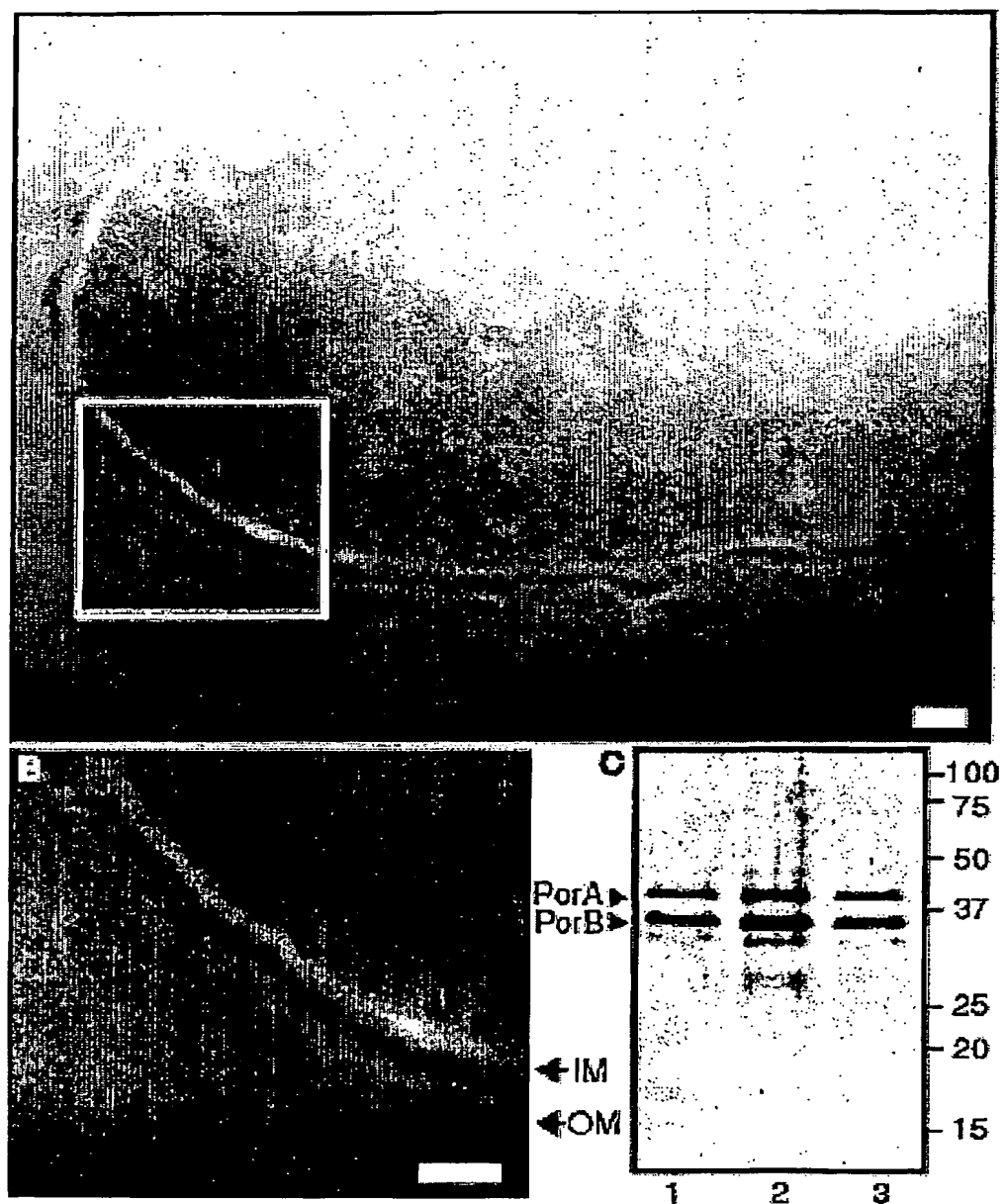


Figure 12

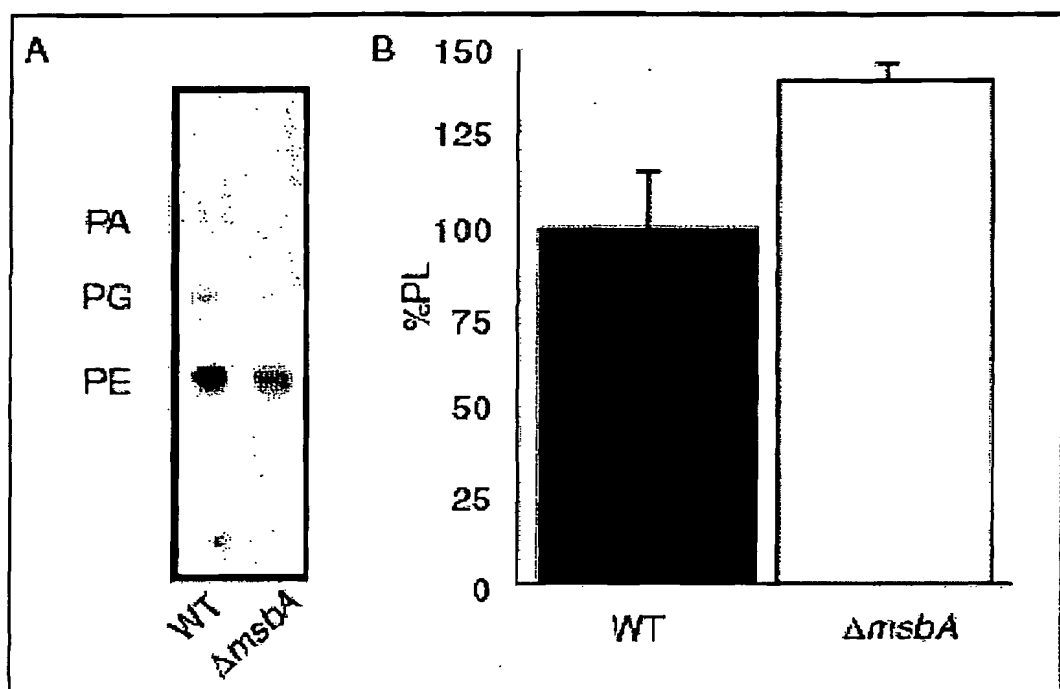


Figure 13

A

MIEKLTFLGFKKEDARSMRLMAYVRPYKIRIVAALIAIFGVAATESYLAAFIAPLINHG
 FSAPAAPPELSAAAGIISTLQNWREQFTYMWVG TENKIWTVPLFLIILVVIRGICRFTST
 YLMTWVSVMTISKIRKDMFAKMLTLSSRYHQETPSGTVLMNMLNLTEQSVSNASDIFTVL
 TRDTMIVTGLTIVLLYLWNQSLIVVLMFPLLSLLSRYRDR LKHVISDSQKSIGTMNNV
 IAETHQGHRVVKLFNGQAQAANRFDVNR TIVRLSKKITQATAAHS PFSELIASIALAVV
 IFIALWQSQNGYTTIGEFMAFIVAMLQMYAPIKSLANISIPMQTMFLAADGVCAFLDTPP
 EQDKGTLAPQORVEGRISFRNVDVEYRSDGIKALDNFNLDIRQGERVALVGRSGSGKSTVV
 NLLPRFVEPSAGNICIDGIDIADIKLDC LRAQFALVSQDVFLFDDTLFENVRYSRPDAGE
 AEVLFALQTANLQSLIDSSPLGLHQPIGSNGSNLSGGQRQRVAIARAILKDAPILLLDEA
 TSALDNESERLVQQALERLMENRTGIIVAHRLTTIEGADRIIVMDDGKIEQGTHEQLMS
 QNGYYTMLRNISNKDAAVRTA

B

MLAWRPGRPDGCQAAGGRRYNPGHDCIKASVSLNSAARNAPAGSQPVKAELWKRVYSRVGSYWKGLVLA
 VLLMAGAAATQ
 PTLAVIMKPLLDGFGS GAKPHYVWFLPLAVVGLILLRGICNFFSDYLLAWVANNVLRGIRGEMFERLLG
 LPDADFKR GDT
 GRLLNRFTIDAGNVTGYATDVITVLVRETLVVIALIGVLLYMSWALTLIILVMLPVSVGIARAFTRRLR
 RINRETVNMNA
 ELTRVVSEGIDGQRVIKLFDGYDAERRR RFDVNSRLRRFAMRSATADAAL TPLTQVCISVAVGAVIAVA
 LSQANS GALT V
 GSFASFMAALAQIFDPIKRLTNLAGKMQKMLVAAESVFTLV DQTPEADAGTRALPEPV RGKVEFRAVSH
 RFPDADRDTVS
 AVSFLVEPGQTVALVGRSGSGKTTLVNMLPRFVLPDGGDILFDDVPIQDLTLRS LRSHLSLVSQDVVLF
 DDTIAANVGYG
 AGGTVD DARVRDALAAANLLEFVDGLPLGIHTPVGQNAARLSGGQRQRLAIARALIKNAPVLILDEATS
 ALDNESERQVQ
 ASLERLMRGRTTLVIAHRLSTVQNADRIIVLDAGKIVEHGPHSELLAANGLYASLYNMQFRED

Figure 14

[illegible]

Figure 15 A

atgctggcgtggcgccgggtcggccggacggttgctcaggcgggcggtggccgacggtacaatcccggg
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Figure 15 B